## Index Volume 27 1989/90

Fasc. 1 1- 96 issued on 23.11.1989 Fasc. 2 97-192 issued on 12.12.1989 Fasc. 3 193-286 issued on 21.12.1989 Fasc. 4 287-380 issued on 16.03.1990 Fasc. 5 381-480 issued on 30.03.1990 Fasc. 6 481-582 issued on 29.05.1990 Fasc. 7 583-684 issued on 19.07.1990 Fasc. 8 685-788 issued on 10.09.1990

Alblas, H.: Iteration of Transformation Passes over Attributed Program Trees 1

Back, R.J.R., Wright, J. von: Duality in Specification Languages: A Lattice-theoretical Approach 583

Bauer, F.L.: In Memoriam: Andrei Petrovich Ershov 193

Berg, M.T. de,  $\rightarrow$  Overmars, M.H. Berghammer, R.,  $\rightarrow$  Schmidt, G.

Berman, A.M., Paull, M.C., Ryder, B.G.: Proving Relative Lower Bounds for Incremental Algorithms 665

Cleaveland, R.: Tableau-Based Model Checking in the Propositional Mu-Calculus 725
Culik II, K., Karhumäki, J.: HDTOL Matching of Computations of Multitape Automata 179

Ehrenfeucht, A., Rozenberg, G.: Partial (Set)
2-Structures. Part I: Basic Notions and the
Representation Problem 315

Ehrenfeucht, A., Rozenberg, G.: Partial (Set) 2-Structures. Part II: State Spaces of Concurrent Systems 343

Engelfriet, J., Jong, W. de: Attribute Storage Optimization by Stacks 567

Gardiner, P.H.B., → Morgan, C. Gelenbe, E., Hernández, M.: Optimum Checkpoints with Age Dependent Failures 519

Gonczarowski, J., Warmuth, M.K.: Scattered Versus Context-Sensitive Rewriting 81 Gouda, M.G., Howell, R.R., Rosier, L.E.: The Instability of Self-Stabilization 697

Hernández, M., → Gelenbe, E. Howell, R.R., → Gouda, M.G. Huang, C.-H., Lengauer, C.: An Incremental Mechanical Development of Systolic Solutions to the Algebraic Path Problem 97 Jong, W. de, → Engelfriet, J.

Karhumäki, J., → Culik II, K.
Kou, L.T.: On Efficient Implementation of
an Approximation Algorithm for the
Steiner Tree Problem 369
Kouvatsos, D., Tabet-Aouel, N.: A Maximum Entropy Priority Approximation for
a Stable G/G/1 Queue 247

Kreveld, M.J. van, → Overmars, M.H.

Langenhop, C.E., Wright, W.E.: A Model of the Dynamic Behavior of B-trees 41 Lau, K.K.: A Note on Synthesis and Classification of Sorting Algorithms 73 Lautemann, C.: The Complexity of Graph Languages Generated by Hyperedge Replacement 399 Lengauer, C., -> Huang, C.-H.

Meduna, A.: Context Free Derivations on Word Monoids 781 Meyer, J.-J.C., Olderog, E.-R.: Hiding in Stream Semantics of Uniform Concurrency 381 Morgan, C., Gardiner, P.H.B.: Data Refine-

ment by Calculation 481 Morris, J.M.: Temporal Predicate Transformers and Fair Termination 287

Olderog, E.-R., → Meyer, J.-J.C.
Overmars, M.H., Smid, M.H.M., Berg, M.T.
de, Kreveld, M.J. van: Maintaining Range
Trees in Secondary Memory. Part I: Partitions 423
Overmars, M.H., → Smid, M.H.M.

Paull, M.C., → Berman, A.M. Privara, I., → Ružička, P.

Rego, V.: Some Efficient Computational Algorithms Related to Phase Models 157
Rosenkrantz, D.J., → Yu, L.
Rosier, L.E., → Gouda, M.G.
Rozenberg, G., → Ehrenfeucht, A.
Ružička, P., Privara, I.: An Almost Linear
Robinson Unification Algorithm 61
Ryder, B.G., → Berman, A.M.

Salzberg, B.: Merging Sorted Runs Using Large Main Memory 195 Schmidt, G., Berghammer, R., Zierer, H.: Describing Semantic Domains with Sprouts 217 Sestoft, P., → Søndergaard, H.
Smid, M.H.M., Overmars, M.H.: Maintaining Range Trees in Secondary Memory.
Part II: Lower Bounds 453
Smid, M.H.M., → Overmars, M.H.
Søndergaard, H., Sestoft, P.: Referential
Transparency, Definiteness and Unfoldability 505

Tabet-Aouel, N., → Kouvatsos, D.

Taubner, D.: Representing CCS Programs by
Finite Predicate/Transition Nets 533

Taubner, D., Vogler, W.: Step Failures Semantics and a Complete Proof System 125

Turski, W.M.: On Specification of Multiprocessor Computing 685

Vogler, W., → Taubner, D.

Warmuth, M.K., → Gonczarowski, J. Weber, A.: On the Valuedness of Finite Transducers 749 Wright, J. von, → Back, R.J.R. Wright, W.E., → Langenhop, C.E.

Yu, L., Rosenkrantz, D.J.: Minimizing Time-Space Cost for Database Version Control 627

Zierer, H., → Schmidt, G.

Covered by Zentralblatt für Mathematik and Current Mathematical Publications

